

8903-660-31

**PENNSYLVANIA PRELIMINARY ASSESSMENT TRACKING FORM**

(2)

(Top Portion To Be Completed By Project Manager)

TDD NO.: F3-8903-66  
SITE NAME: Solid State Scientific  
OWNER'S NAME: Horsham Valley Development Corporation  
OWNER'S ADDRESS: % Glenn R. Baker, Jr., Property Manager  
Letz Property Management  
200 Gibraltar Road, Suite 124  
Horsham, PA. 19044  
SIO's NAME: Bernice Pasquini  
SIO's PHONE NO.: (215) 597-1268  
SITE LOCATION: (Township/municipality and county)  
Montgomeryville, PA.  
Montgomery County  
12/17/89

(Lower Portion To Be Completed By Administrative Staff)

PUBLIC DISTRIBUTION ADDRESS:

PAUL B. BARTLE, CHAIRMAN  
MONTGOMERY County Commissioners  
COURT HOUSE  
MARRISTOWN PA 19404

SITE OWNER LETTERS SENT TO EPA FOR SIGNATURE (date): 7/19/89  
COUNTY LETTERS SENT FOR SIGNATURE (date): 7/19/89  
SIGNED SITE OWNER LETTER RECEIVED FROM EPA (date): 7/26/89  
SIGNED COUNTY LETTER FROM EPA (date): 7/26/89

BOTH COPIES SENT 11/17/89  
INITIALS Las

(File In Project File When Completed)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
841 Chestnut Building  
Philadelphia, Pennsylvania 19107

ORIGINAL  
(Recd)

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Art Dalla Piazza  
Department of Environmental Resources  
Bureau of Solid Waste Management  
7th Floor, Fulton Bldg.  
P.O. Box 2063  
Harrisburg, PA 17120

RE: Metallurgical Products Company	<del>PA - 1853</del>
Warwick Road Dump	<del>PA - 2492</del>
Solid State Scientific	PA - 2443 ✓
E.I. Dupont - West Chester	<del>PA - 2409</del>
Tube Methods, Inc.	<del>PA - 2447</del>
Unicast Company	<del>PA - 1285</del>

Dear Mr. Dalla Piazza:

We are forwarding to you copies of the final Field Trip Report, Preliminary Assessment and Site Inspection reports for the referenced projects. If there are any questions concerning these reports, please call me at 215/597-7713.

Sincerely,

A handwritten signature in black ink, appearing to read "Koge Suto, Jr.".

Koge Suto, Jr.  
Pre-Remedial Section

Enclosures

cc: George Danyliw DER (w/encl.)



999 WEST VALLEY ROAD  
WAYNE, PENNSYLVANIA 19087  
215-687-9510

October 19, 1989  
T-585-10-9-95  
68-01-7346

Mr. Anthony Dappolone  
U.S. Environmental Protection Agency  
841 Chestnut Street  
Philadelphia, PA 19107

Dear Mr. Dappolone:

Attached please find four uncontrolled final copies of the Environmental Priorities Initiative Preliminary Assessment of Solid State Scientific, prepared under TDD No. F3-8903-66.

Please endorse below confirming that you have received the attached subject data and return the form to the above address.

Sincerely,

*Garth Glenn/las*  
Garth Glenn  
Regional Operations Manager,  
FIT 3

GG/las

Attachments

Signature: *Anthony Dappolone*  
Anthony Dappolone

Date: *11/21/89*



999 WEST VALLEY ROAD  
WAYNE, PENNSYLVANIA 19087  
215-687-9510

July 28, 1989  
T-585-7-9-129  
68-01-7346

Mr. Anthony Dappolone  
U.S. Environmental Protection Agency  
841 Chestnut Street  
Philadelphia, PA 19107

Dear Mr. Dappolone:

Attached please find four uncontrolled copies of the draft Environmental Priorities Initiative (EPI) Preliminary Assessment for Solid State Scientific, prepared under TDD No. F3-8903-66.

Please endorse below confirming that you have recieved the attached subject data and return the form to the above address

Sincerely,

*Garth Glenn/las*  
Garth Glenn  
Regional Operations Manager,  
FIT 3

GG/las

Attachments

Signature: *Anthony Dappolone*  
Anthony Dappolone

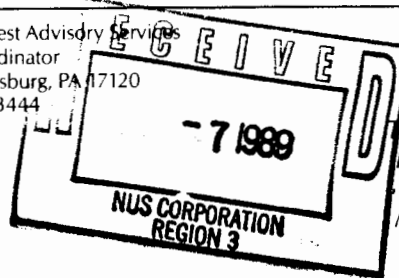
Date: 8/2/89

8903-666 -20

# Pennsylvania Natural Diversity Inventory

WESTERN PA CONSERVANCY  
PNDI—Western Office  
316 Fourth Avenue  
Pittsburgh, PA 15222  
412-288-2777

Bureau of Forestry — Forest Advisory Services  
PNDI Coordinator  
P.O. Box 1467, Harrisburg, PA 17120  
717-787-3444



ORIGINAL  
(Red)

The Nature Conservancy  
PNDI — Eastern Office  
34 Airport Drive  
Middletown, PA 17057  
717-783-1712

30 June 1989

Mr. Garth Glenn  
Regional Manager  
NUS Corporation  
998 West Valley Road  
Wayne, PA 19087

Re: Environmental Review Requests for Eight Uncontrolled  
Hazardous Substance Disposal Sites

Dear Mr. Glenn:

I have enclosed a listing of the species of special concern found within the indicated radii up to four miles and also 15 miles downstream for three of the eight disposal sites you requested. These sites include: USG Interiors, Red Lion, York County; National Can Corporation, Morrisville, Falls Township, Bucks County; Whittaker Corporation Trojan Yacht, Lancaster, East Lampeter Township, Lancaster County. The remaining five sites, Solid State Scientific, Montgomeryville, Montgomery County; Penn Engineering & Manufacturing Corporation, Danboro, Bucks County; Kiwi Brands, Inc., Douglassville, Amity Township, Berks County; Capitol Products, Mechanicsburg, Cumberland County; Sangamo Weston, Archbald, Lackawanna County, to our knowledge contain no species of special concern.

As you know, the Inventory is a cumulative process through which information is continuously updated and refined. Old records are checked in the field, new areas are surveyed, known sites are monitored, and new changes in land conservation status are recorded. As a result, the assessment of Pennsylvania's ecological resources is current and increasingly accurate. Consequently, information given to you now may be out of date in the near future.

The Pennsylvania Natural Diversity Inventory has compiled data on Pennsylvania's rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features. While this information is available for preparation and review of environmental assessments, it is not a substitute for on-site surveys. The quantity and quality of data collected

by the Inventory are dependent on the research and observations of many individuals and organizations. In most cases, information on environmental elements is not the result of comprehensive field surveys. For this reason, the Pennsylvania Natural Diversity Inventory cannot provide a definitive statement on the presence, absence, or degree of health of environmental elements in any part of Pennsylvania. The Inventory welcomes coordination with individuals or organizations proposing environmental alteration, and/or conducting environmental assessments; however, the information, or lack thereof, provided by the Inventory should never be regarded as a complete statement on the elements being considered. If data provided by the Pennsylvania Natural Diversity Inventory are to be published in any form, the Inventory should be informed at the outset and credited as the source.

Please take note that the Pennsylvania Game Commission has statutory authority for birds and mammals, and the Pennsylvania Fish Commission has statutory authority for herptiles, fishes, and aquatic organisms. These agencies should be notified to insure a complete review of the project area.

Thank you for using PNDI as part of your environmental review procedure. Partial support for PNDI is derived from the Wild Resource Conservation Fund, which accumulates from the Pennsylvania State Income Tax check-off and from direct donations. Enclosed is a flyer which explains the procedure whereby a donation can be made to the fund, should your firm wish to contribute.

If construction on this project has not been initiated one year from now, we suggest that you contact us again so that we may update our response.

It is requested that any future correspondence regarding environmental reviews be sent directly to the Bureau of Forestry, Forestry Advisory Service, P.O. Box 1467, Harrisburg, PA 17120.

Sincerely,

*Eugénie B. Drayton*

Eugénie B. Drayton  
Data Manager  
The Nature Conservancy

ENCL: Statutory Authority and as stated  
cc: Dan Devlin, Bureau of Forestry  
John Arway, Pa Fish Commission  
Jake Sitlinger, Pa Game Commission  
Clark Shiffer, Pa Fish Commission  
Sherry Morgan, US Fish and Wildlife



# United States Department of the Interior

## FISH AND WILDLIFE SERVICE

Suite 322  
315 South Allen Street  
State College, Pennsylvania 16801

June 7, 1989

*fills*

Mr. Garth Glenn  
NUS Corporation  
999 West Valley Road  
Wayne, PA 19087

Dear Mr. Glenn:

This responds to your letter of May 31, 1989, requesting information on endangered or threatened species within the area affected by the following uncontrolled hazardous substance sites:

<u>Site</u>	<u>County</u>
Acro-Matic	Bucks
Bituminous Emulsion Company	Northumberland
Bognan & Company, Inc.	Allegheny
Capitol Products	Cumberland
Carlisle Syntec Systems	Cumberland
Colebrookdale Landfill	Berks
Diversified Printing Corp.	Chester
Dutch Valley Dinner	Berks
Electroalloy Corp.	Venango
Foltz Farm	Mercer
Kiwi Brands, Inc.	Berks
Kline Dump	Centre
Liberty Polyglass	Allegheny
McGraw-Edison Company	Washington
Mineral Processing Systems, Inc.	York
National Can Corporation	Bucks
Penn Engineering & Manufacturing	Bucks
Ridge Road	York
Sangamo Weston	Lackawanna
Solid State Scientific	Montgomery
Union Switch & Signal	Allegheny
USG Interiors	York
Valmont	Luzerne
Vandor Company	Bucks
Whittaker Corp. (Trojan Yacht)	Lancaster

*Add to final report.*

*Rec'd 7/27/89*

Two federally listed endangered birds are expected to be found as transient species in the project area. They are the bald eagle (*Haliaeetus leucocephalus*) and peregrine falcon (*Falco peregrinus*). There is no listed critical habitat for these species in the project area.

We have no information to indicate that any endangered species under our jurisdiction reside within a radius of three miles of the project site.

Therefore, no Biological Assessment or further Section 7 consultation under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) is required with the Fish and Wildlife Service. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered. A compilation of federally listed endangered and threatened species in Pennsylvania is enclosed for your information.


The State of Pennsylvania has classified certain species as threatened or endangered. We suggest that you contact the Pennsylvania Fish Commission (fish, reptiles and amphibians), the Pennsylvania Game Commission (wildlife) and the Pennsylvania Department of Environmental Resources (plants) for further information on these species.

Your letter does not contain enough information for us to determine if other resources of concern to the Service are being affected by the sites or proposed actions at the site. Specifically, we are concerned that chemical contaminants on or migrating from uncontrolled hazardous substance disposal sites may have acute or chronic toxicity effects on terrestrial and aquatic life. For example, open waste ponds, leachate seeps, and off-site contamination of streams or other surface waters can represent significant hazards to fish and wildlife resources. Food chain effects of substances that bioaccumulate or biomagnify increase these hazards.

On sites where chemical contaminants are or could be released to significant terrestrial wildlife habitat, wetlands, or surface waters, we recommend that biological studies be incorporated into your evaluation of the sites. For example, an indication of the bioavailability of contaminants released into surface waters can be obtained relatively easily by collecting two composite fish samples. We would be happy to review and comment on plans for proposed fish and wildlife studies.

Please contact us if we can be of further assistance.

Sincerely,



Charles J. Kulp  
Supervisor

Enclosure



FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES  
IN PENNSYLVANIA

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>STATUS</u>	<u>DISTRIBUTION</u>
<u>FISHES:</u>			
Sturgeon, shortnose*	<u>Acipenser brevirostrum</u>	E	Delaware River and Other Atlantic Coastal waters
<u>REPTILES:</u>			
NONE			
<u>BIRDS:</u>			
Eagle, bald	<u>Haliaeetus leucocephalus</u>	E	Entire State
Falcon, American peregrine	<u>Falco peregrinus anatum</u>	E	Entire State - re-establishment to former breeding range in progress
Falcon, Arctic	<u>Falco peregrinus tundrius</u>	E	Entire State migratory - no nesting
<u>MAMMALS:</u>			
Bat, Indiana	<u>Myotis sodalis</u>	E	Entire State
Cougar, Eastern	<u>Felis concolor cougar</u>	E	Entire State - probably extinct
<u>MOLUSKS:</u>			
NONE			
<u>PLANTS:</u>			
Pogonia, small whorled	<u>Isotria medeoloides</u>	E	Berks, Centre, Chester, Greene, Monroe, Montgomery, Philadelphia & Venango Counties

\* Principal responsibility for this species is vested with the National M. Fisheries Service.

SITE SAFETY FOLLOW UP REPORT

ORIGINAL  
(Red)

Actual Date of Work: Tuesday, May 9, 1989

Actual Site Investigation Team:

NUS Personnel:

Lisa Lillis  
David Spencer  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Responsibilities:

SITL  
ASITL/50  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Other:

Charles Williams - Emca  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Purpose:

Plant representative  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Team Leader:

Prepared by:

Reviewed by:

Approved by:

Lisa Lillis  
Lisa Lillis  
Elizabeth Holt  
Thomas W. Brown

Date

5-9-89  
5-9-89  
5-23-89  
5-26-89

Personal Protective Equipment

	Safety Plan Requirements		Level Used	If Deviations, explain
Activity: <u>EPI Pr. Assess.</u> <u>inc. plant walkaround,</u> <u>photo log, monitoring</u>	Respiratory Protection	<u>D</u>	<u>D</u>	*Safety glasses were required within facility itself, only
	Field Dress	<u>F/w/glasses</u>	<u>F/w/glasses*</u>	
Activity: _____ _____	Respiratory Protection			
	Field Dress			
Activity: _____ _____	Respiratory Protection			
	Field Dress			
Activity: _____ _____	Respiratory Protection			
	Field Dress			
Activity: _____ _____	Respiratory Protection			
	Field Dress			

**MONITORING EQUIPMENT**

a. HNU

- Background reading 0.2 ppm
- Readings above background None
- Location of high readings N/A
- What action was taken? N/A

b. Radiation

- Readings above background? ☐ Yes ☒ No
- If yes, specify where readings were found and what action was taken.  
N/A

c. Heat Stress/ Cold Stress

Was heat stress or cold stress monitoring performed?

☐ Yes ☒ No

Was a monitoring/break schedule followed?

☐ Yes ☒ No

If monitoring was not performed, or the monitoring/break schedule was not followed, please explain.

weather and site conditions did not require or call for monitoring schedules.

d. Other Monitoring Instruments N/A

       Draeger Tube and Pump (specify tube)       

What readings were found and what action was taken       

       Explosimeter/O<sub>2</sub> meter       

       Air Sampling

What air sampling equipment was used?

TDD No.: F3-8903-66  
Site Name: Solid State Scientific

The media used for sampling included: N/A

- ☐ Filters (type \_\_\_\_\_)  
☐ Charcoal Tubes/Silica Gel Tubes  
☐ Impingers (Liquid Media \_\_\_\_\_)  
☐ Other Media

The air samples taken were ☐ environmental

N/A ☐ personal

The following team members wore personal sampling pumps.

	Team member	Location of media
1.	<u>N/A</u>	
2.		
3.		
4.		
5.		
6.		

**GENERAL SAFETY**

a. Were any safety problems encountered while on site? No

Explain: N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. Confined Space Entry

(Confined space - a tank, vessel, silo, storage bin, hopper, vault, pit, diked area, abandoned building, manhole, or any other enclosed space with limited means of exit or entry that is not designed for continuous occupancy.)

Did any team member enter a confined space area?

\_\_\_\_ Yes      ✓ No

If yes, please explain.

N/A  
\_\_\_\_\_  
\_\_\_\_\_

**Accident Report Information**

a. Did any team member report:

	Yes	No
• Chemical Exposure	_____	<u>✓</u>
• Illness, discomfort, or unusual symptoms	_____	<u>✓</u>
• Environmental Problems (heat, cold, etc.)	_____	<u>✓</u>

b. Explain:

N/A  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c. Was an Employee Exposure/Injury N/A

Incident Report completed? \_\_\_\_\_ Yes      \_\_\_\_\_ No

TDD No.: F3-8903-66  
Site Name: Solid state Scienci

Safety Plan Evaluation

a. Were there any deviations from the Safety Plan?

☐ Yes ☒ No

If yes, please explain.

N/A

b. Was the Safety Plan adequate?

☒ Yes ☐ No

c. What changes would you recommend?

None

8903-66-05

FIT REGION 3  
NUS CORPORATION  
WORK PLAN FOR CONDUCTING  
A PRELIMINARY ASSESSMENT OF

Solid State Scientific

REV - 0

TDD No. F3- 8903-66

Charge No. AP26 RP

EPA Site No. PA-2443

Submitted By

Ina L. Hillis  
FIT Name, Title  
Environmental  
Scientist

5-1-89

Date

Reviewed and Approved By

Thomas W. Thomas  
FIT OM

5-5-89

Date

Reviewed and Approved By

John P. Dumas  
RQAR

5/5/89

Date

Rev. 1

FIT Name, Title

FIT OM

RQAR

Date

Date

Date

Rev. 2

FIT Name, Title

FIT OM

RQAR

Date

Date

Date



Assignment Description

FIT 3 has been assigned to conduct a preliminary assessment at the Solid State Scientific site. The objective of a preliminary assessment is to determine the need for further studies under the ~~EPA/CERCLA~~ program. <sup>EPA/EPI</sup> <sub>due 5/1/89</sub>

ORIGINAL  
(FIT)

Task Breakdown

The task breakdown for a preliminary assessment is as follows.

- 1) Review background information.
- 2) Contact state and local agencies for relevant information.
- 3) Arrange for site access.
- 4) Conduct a brief on- and off-site inspection to determine potential sample locations.
- 5) Prepare and submit draft preliminary assessment report, including proposed sampling plan and rationale, if applicable.
- 6) Address peer review comments and finalize report.

7) Identify Solid waste management units.

Estimated Technical Hours

The estimated technical hours for completing this project are 225.

Project Staff

Project Manager

Lisa Lillis

Site Safety Representative

David Spencer

Other: N/A



See attached safety plan

Proposed Schedule

See attached site safety plan

Background Data/Data Assessment Summary

See attached site safety plan

ORIGINAL  
(REQ)

### Required Resource List

<input checked="" type="checkbox"/>	No limited resource/equipment needed
<input type="checkbox"/>	List any limited resources/equipment needed
<hr/>	
<hr/>	
<hr/>	

### Quality Assurance Applicability

The following sections of the Superfund Division Quality Assurance Manual apply to the performance of this assignment.

<input checked="" type="checkbox"/>	QAP	2.5	Work Plans
<input checked="" type="checkbox"/>		3.1	Collection of Evidentiary Field Data
<input checked="" type="checkbox"/>		4.1	Off-Site Reconnaissance
<input checked="" type="checkbox"/>		4.2	On-Site Inspection
<input checked="" type="checkbox"/>		8.1	Controlled and Accountable Documents
<input checked="" type="checkbox"/>		8.2	Issuance and Distribution of Controlled Documents
<input checked="" type="checkbox"/>		8.4	Technical Reports
<input checked="" type="checkbox"/>		11.1	Implementation of Measuring and Test Equipment Controls
<input checked="" type="checkbox"/>		13.1	Nonconformance Reporting, Evaluation, and Disposition
<input checked="" type="checkbox"/>		14.1	Implementation and Documentation of Corrective Actions
<input checked="" type="checkbox"/>		15.1	Storage and Retrieval of Quality Assurance Records and Project Files

### Quality Control Requirements

Equipment used for the completion of this assignment will be calibrated and maintained according to SOPs contained in the FIT 3 Regional Operations Manual.

<input checked="" type="checkbox"/>	SOP 11	Use, Calibration, and Maintenance of the HNU PI-101
<input checked="" type="checkbox"/>	SOP 12	Use, Calibration, and Maintenance of the Radiation Mini-Alert

ORIGINAL  
(Rev)

### Technical Approach

All activities will be conducted according to the FIT 3 Regional Operations Manual.

<u>✓</u>	SOP II1	Documentation of Logbook
<u>✓</u>	SOP II2	Documentation of Photographs
<u>✓</u>	SOP II3	Documentation of Telecons
<u>✓</u>	SOP II4	Documentation of Filing and Docketing
<u>✓</u>	SOP III1	Review of Technical Reports
<u>✓</u>	SOP III2	Report Format for Preliminary Assessments and Site Inspections
<u>✓</u>	SOP III3	Reporting On-/Off-Site Activities

### Report/Product Requirements

Report will consist of a completed EPA Form T-2070-12 and a written narrative presenting further information obtained during the completion of the assignment.

### Report/Product Review

The FITOM or designee will be responsible for the quality verification of the final report.

ORIGINAL  
(170)

### Documents to be Generated

Check below to indicate the documents that will be generated in the course of the project (both deliverable and non-deliverable):

<input checked="" type="checkbox"/>	Final Report
<input checked="" type="checkbox"/>	Draft Report
<input checked="" type="checkbox"/>	Logbooks
<input checked="" type="checkbox"/>	Photographs and Negatives
<input checked="" type="checkbox"/>	Well Questionnaires
<input checked="" type="checkbox"/>	Safety Plan
<input checked="" type="checkbox"/>	Site Safety Follow-Up Report
<input checked="" type="checkbox"/>	Task-Related Correspondence
<input checked="" type="checkbox"/>	Report Processing Forms
<input checked="" type="checkbox"/>	Telecon Records
<input checked="" type="checkbox"/>	TDD
<input checked="" type="checkbox"/>	Completion Document

### Distribution

The undersigned have received, read, and understood this work plan or have attended a pre-field meeting and have discussed the contents of this work plan (must be signed by all project personnel).

<u>Name</u>	<u>Date</u>
<u>Louis L. Lillis</u>	<u>5/1/89</u>
<u>Walt [Signature]</u>	<u>5/5/89</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

TDD No.: F3-8903-66

Site Name: Solid State Scientific

**SITE SAFETY PLAN**

HVDC = Horsham Valley Development Corp.

Site Name: Solid State Scientific \*

Contact: Glenn Baker - HVDC (site owner)

Address: 160 Commerce Drive

Phone Number: (215) 474-5456

Montgomeryville, PA. 18936

Other Contacts: Charlie Williams - EMCA  
(215) 855-1000

\* Site is currently occupied by  
EMCA / Division of Rohm & Haas

Josephine Hestand - Solid State (215) 657-8400  
Carol Quigley - PADER (215) 270-1948

Purpose of Site Visit: Environmental Priorities Initiative Preliminary Assessment

Proposed Date of Work: Tuesday, May 9<sup>th</sup>, 1989

Proposed Site Investigation Team:

NUS Personnel

Responsibilities:

Lisa Lillis

SITL

David Spencer

ASITL/50

Other:

Purpose:

Glenn Baker - HVDC

Observation

Charlie Williams - EMCA

Plant tour

Plan Preparation:

Prepared by: Lisa Lillis 5/1/89

Approvals:

Regional Health & Safety Manager: Elizabeth Holt 5/5/89

Regional Manager: Thomas W. Troman (5/5/89)

TDD No.: E3-8903-66

Site Name: Solid State Scientific

Background Information:

Site Status:

☒ Active  
EMCA

☒ Inactive  
Solid State

☐ Unknown

Site Description (be specific, include topography, structures, etc.):

Industrial Park - Relatively flat. Solid State occupied 3 buildings; 2 for manufacturing, one for offices. Site is relatively flat.  
A pond is located on the northwestern corner of the property and flows into a southerly-flowing unnamed creek. Most of property, not covered by buildings, is asphalt or grass covered. Corner lots.  
Fenced drum storage area north of building no. 2.

Site History: Solid State was a manufacturer of semiconductor devices. Most of the wastes consisted of solvents and cleaning acids. 4 inground tanks were utilized, in addition to a drummed storage area. A waste treatment plant was also used on site. The facility was closed in 1985, in accordance with DER. In 9/87, the property was purchased by Horsham Valley Development Corp (HVDC). HVDC removed contaminated soil at that time. The site is currently leased by EMCA, a Division of Rohm & Haas - a manufacturer of thick film paste.  
Monitoring used on previous site work or previous sampling data:

No sampling data was expected or available to FIT 3. (Compounds listed in the following page(s) were those listed on Solid States Part A application and in a telephone conversation with a representative of EMCA by FIT on 4/89.)

NOTE:

Solid State Scientific was a manufacturer of semiconductor devices. The manufacturing process utilized metal plating acids and solvents. Examples are as follows:

F3-8903-46  
Solid State Scientific

4 of 17

~~TLV~~  
~~REACTIVITY~~ Slight fire hazard  
~~INCOMPATIBILITY~~  
~~DOT HAZARD CLASS~~  
~~RCRA WASTE NO.~~ 514/89  
~~MONITORING DEV.~~

\*\*\*\*\*

NAME Phenol  
SYNONYM carbolic acid, phenolic acid, benzenol  
CAS NO. 108-95-2  
EFFECT Colorless-to-pink solid or heavy liquid, with a characteristic sweettarry odor; on inhal. it irritates the eyes, nose & throat.  
On contact can absorb through skin causing liver/kidney dam, skin burns  
TLV 5ppm - skin  
PEL 5ppm - skin  
IDLH 100ppm  
REACTIVITY Moderate fire hazard when exposed to heat or flame  
INCOMPATIBILITY Strong oxidizers, calcium hypochlorite  
DOT HAZARD CLASS POISON B  
RCRA WASTE NO. U188  
MONITORING DEV. Draeger, HNU 10.2, 11.7

\*\*\*\*\*

~~NAME Phenol alcohol~~ 514/89

100/100

F3-8903-66  
Solid State Scientific

NAME Acetone  
SYNONYM 2-Propanone, Dimethyl ketone, ketone propane  
CAS NO. 67-64-1  
EFFECT Colorless liquid with fragrant odor; irritates eyes, nose and throat. Can cause dizziness. Prolonged contact causes dry and cracking skin.

TLV 750ppm 1780mg/m3  
PEL 1000ppm 2400mg/m3  
IDLH 20000ppm  
REACTIVITY Flammable liquid  
INCOMPATIBILITY Oxidizers and acids  
DOT HAZARD CLASS  
RCRA WASTE NO. U022  
MONITORING DEV. Draeger, HNU10.2, 11.7

\*\*\*\*\*

NAME Hydrofluoric acid  
SYNONYM hydrogen fluoride, hydrofluoride  
CAS NO. 7664-39-3  
EFFECT A colorless, fuming liquid or gas with strong, irritating odor; notable through ability to dissolve glass, concrete & metals, it can cause severe eye and skin burns and fluid buildup in the lungs.

TLV 3ppm - air as Fluor.  
PEL 3ppm - air  
IDLH 20ppm  
REACTIVITY Highly reactive-when heated/ reacted with water, emits toxic fumes  
INCOMPATIBILITY metals, concrete, glass, ceramics, water, P205, As203, CaO, NaOH  
DOT HAZARD CLASS CORROSIVE MATERIAL  
RCRA WASTE NO. U134  
MONITORING DEV. Draeger

\*\*\*\*\*

NAME Toluene  
SYNONYM Toluol, methyl benzene, phenyl methane  
CAS NO. 108-88-3  
EFFECT Irritant to skin and eyes. May cause weakness, headache, dizziness, nausea, impairment of coordination and dermatitis. Large amounts of the vapor have been reported to cause liver & kidney damage.

TLV 100ppm  
PEL 200ppm - air  
IDLH 2000ppm  
REACTIVITY Slight fire hazard when exposed to heat or flame.  
INCOMPATIBILITY Strong oxidizers, water, acids, bases and amines.  
DOT HAZARD CLASS  
RCRA WASTE NO. U220  
MONITORING DEV. Draeger, HNU 10.2, 11.7



Solid State Scientific  
P3-8903-664

NAME xylene, all isomers  
SYNONYM xylol, dimethyl benzene, o-, m-, p-xylene  
CAS NO. 1330-20-7  
EFFECT Inhalation, ingestion or contact may cause dizziness, excitement, drowsiness, uncoordination, staggering gait, irritation of skin, eyes, nose and throat, anorexia, vomiting or abdominal pain.

TLV 100ppm -all isomers  
PEL 100ppm -all isomers  
IDLH 10,000ppm  
REACTIVITY Flammable. Dangerous hazard when exposed to heat or flame.  
INCOMPATIBILITY Strong oxidizers.  
DOT HAZARD CLASS Flammable liq, ORM-A  
RCRA WASTE NO. U239  
MONITORING DEV. Draeger (ortho only) HNU

\*\*\*\*\*

NAME TCE  
SYNONYM Trichloroethylene, trichloroethene  
CAS NO. 79-01-6  
EFFECT Known animal carcinogen. When inhaled can cause blurred vision, vertigo, sleepiness. Ingestion can cause tremors, sleepiness and headaches. Contact can cause eye, nose, throat and skin irritation.

TLV 50ppm  
PEL 100ppm  
IDLH 1000ppm  
REACTIVITY  
INCOMPATIBILITY Strong bases, Aluminum, chemically active metals - Ba, Li, Na, Mg, Ti  
DOT HAZARD CLASS ORM-A  
RCRA WASTE NO. U228  
MONITORING DEV. Draeger, HNU 10.2, 11.7

\*\*\*\*\*

\* The property's current occupant generates only one drum of solvent waste annually. TCE is an example of such a waste.

ORIGINAL  
(Ind)

TDD No.: F3-8903-46Site Name: Solid State Scientific**REQUIRED LEVEL(S) OF PROTECTION:**

Task	Name	Respiratory	Clothing	Gloves	Boots	Other; Modifications
PM	<u>Lisa Lillis</u>	<u>} See Surveillance below</u>				
SSO/ASITL	<u>David Spencer</u>					
SMO						

**Surveillance**

(PA, site recon, etc.)

<u>Lisa Lillis</u>	<u>D</u>	<u>F</u>	<u>None</u>	<u>W</u>	<u>Safety glasses</u>
<u>David Spencer</u>	<u>D</u>	<u>F</u>	<u>None</u>	<u>W</u>	<u>Safety glasses</u>

If an HNU or OVA reading is recorded above background in a waste holding or disposal area team members will leave the holding/disposal area.

**Samplers**

Other

Decon

Cotton=C  
Field=F  
Saranex=S  
Tyvek=T

Butyl=B  
Cotton=C  
Latex=L  
Neoprene=N

Fireman's=F  
Latex=L  
Tyvek=T  
Work=W

.. 9 of 17 ..

TDD No.: F3-8903-66

Site Name: Solid State Scientific

Proposed On-site Activities: Preliminary assessment to include  
site walk around, identification of swmu's, photo log,  
monitoring of swmu's with HNU and radiation  
mini-alert.

Monitoring Procedures:

Site Monitoring Equipment:

☒ HNU

☐ OVA

☐ Photovac

☐ Draeger Tube & Pump

☐ Victoreen Radiation Detector

☐ Other:

☒ TLD Badge

☒ Radiation mini-alert

☐ Explosimeter

☐ O<sub>2</sub> meter

Methods and Frequency of Surveillance: (For compounds > 10% PELs, see page 4)

Frequent monitoring with the HNU or OVA and the Mini-alert in waste storage areas,  
raw products storage areas, on-site and disposal areas.

Monitoring Equipment Calibrations:

☒ HNU

As per manufacturer's recommendations, a field calibration is necessary once every three days. Calibration dates are recorded in the project logbook.

☐ OVA

As per manufacturer's recommendations, a field calibration is necessary every three days. Calibration dates are recorded in the project logbook.

☒ Mini-Alert

A battery check and a response check were made prior to leaving the FIT office and will be made immediately prior to instrument use in the field. This field procedure will be documented in the log book.

☐ Other

TDD No.: P3-890.3-66  
Site Name: Solid State Scientific

### Confined Space Entry

☒ No attempt will be made to enter abandoned buildings, manholes, tanks, or any other confined areas.

☐ Other: Team members will be entering active buildings in order to perform EPI/PA activities. Since these buildings are occupied by facility personnel throughout the workday and they are being regulated by other OSHA standards, they are deemed safe for occupancy and NUS team members may enter these areas to perform their PA activities. NUS personnel will follow standard industrial safety protocol and any other special protocols established by the facility health and safety requirements.

### Medical Surveillance

☒ No site specific medical surveillance is required for this task.

☐ Medical surveillance will be as follows:

### Personnel Monitoring

☒ Personnel monitoring will include only the use of the TLD badge. No further personnel monitoring is required.

☐ Personnel monitoring will consist of:

TDD No.: F3-8903-66

Site Name: Solid State Scientific

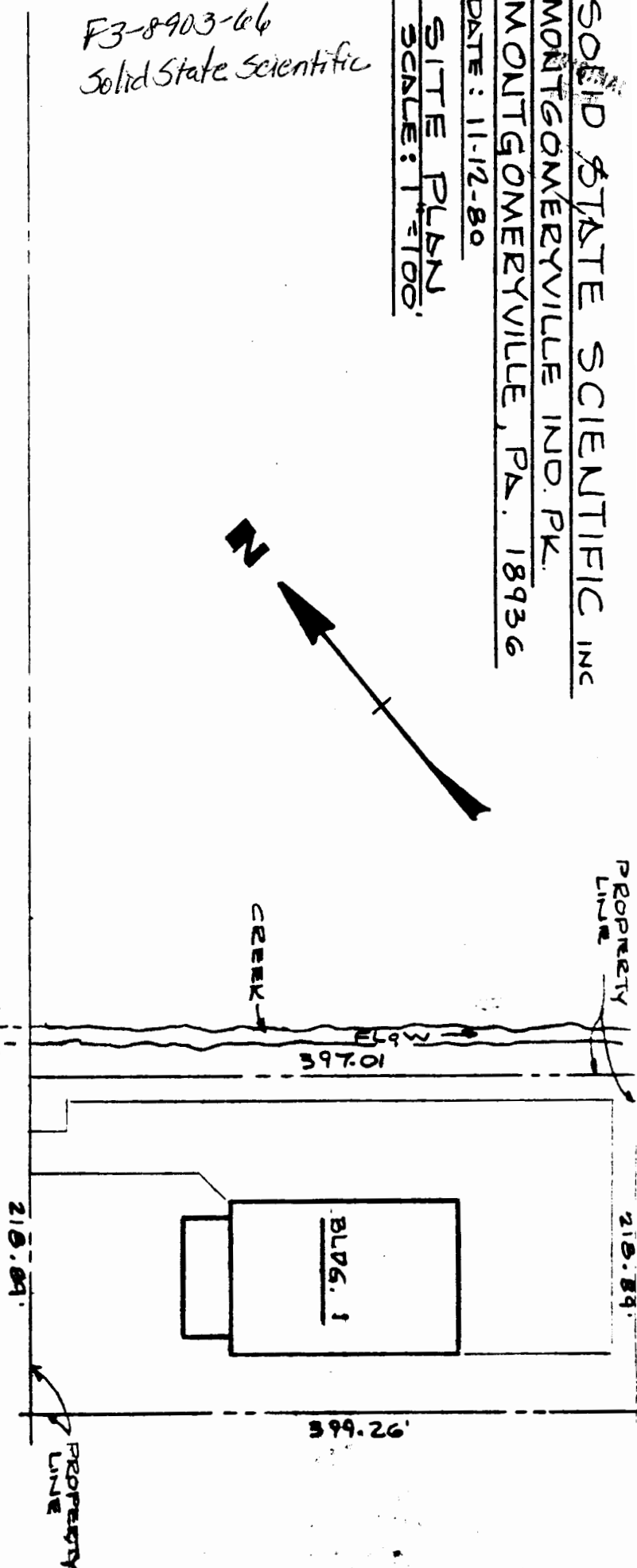
### **SITE OPERATING PROCEDURES/SAFETY GUIDELINES**

1. Always observe the buddy system. Never enter or exit a site alone, and never work alone in an isolated area. Never wander off by yourself.
2. Always maintain line-of-sight.
3. Practice contamination avoidance. Never sit down or kneel, never lay equipment on the ground, avoid obvious sources of contamination such as puddles, and avoid unnecessary contact with on-site objects.
4. No eating, drinking, or smoking outside the designated "clean" zone.
5. In the event PPE is ripped or torn, work shall stop and PPE shall be removed and replaced as soon as possible.
6. Be alert to any unusual changes in your own condition; never ignore warning signs. Notify Health and Safety Co-ordinator as to suspected exposures or accidents.
7. A vehicle will be readily available exclusively for emergency use. All FIT personnel going on site shall be familiar with the most direct route to the nearest hospital.
8. In the event of direct skin contact, the affected area shall be washed immediately with soap and water.
9. Copies of the health and safety plan shall be readily accessible at the command post.
10. Note wind direction. Personnel shall remain upwind whenever possible during on-site activities.
11. Never climb over or under refuse or obstacles. Use safety harness/safety lines when sampling lagoons, stream beds, and ravines with steep banks.
12. Hands and face must be thoroughly washed before eating, drinking, etc.
13. Any modifications to this safety plan MUST be approved by the RHSM or designee.

Special Procedures: In addition to NUS Health and Safety procedures, FIT 3 team members will follow the safety regulations required by (name of facility). July 11/89  
EMCA, Division of Rohm and Haas.

MONTGOMERYVILLE, PA. 18936

SITE PLAN  
SCALE: 1"=100'



TDD No.: F3-8903-66  
Site Name: Solid State Scientific

Communication Procedures:

Verbal Communication is the emergency signal to indicate that all personnel should leave the area immediately.

The following standard hand signals will be used in case of failure of radio communications:

Hand gripping throat ----- Out of air, can't breathe  
Grip partner's wrist or ----- Leave area immediately  
both hands around waist  
Hands on top of head ----- Need assistance  
Thumbs up ----- OK, I am all right, I understand  
Thumbs down ----- No, negative

The following will be used on an "as-needed" basis:

N/A

Channel \_\_\_\_\_ has been designated as the radio frequency for personnel in the Exclusion Zone. All other on-site communications will use channel \_\_\_\_\_.

Telephone communication to the Command Post should be established as soon as practicable. The phone number is \_\_\_\_\_.

TDD No.: F3 8903-66

Site Name: Solid State Scientific

## EMERGENCY SITUATIONS

### Air Releases or Fire/Explosion:

In the event of an unexpected air release or fire/explosion, on-site personnel will travel at a right angle to the upwind direction. The Site Safety Officer (SSO) will then account for all personnel and notify the proper emergency agencies.

In the event the SSO is unavailable, the Project Manager will assume these responsibilities.

### Emergency Site Control:

In the event of an emergency, the SSO will discourage any unauthorized personnel from entering the site. If necessary, the SSO will contact the proper authorities.

### Personnel Injury:

If on-site personnel require emergency medical treatment, the following steps will be taken:

- 1) Evaluate the nature of the injury.
- 2) Decontaminate to the extent possible prior to administration of first aid or movement to emergency facilities.

### First Aid Procedures:

**Skin Contact:** Remove contaminated clothing. Wash immediately with water. Use soap if available.

**Inhalation:** Remove from contaminated atmosphere. Artificial respiration, if necessary. Transport to hospital.

**Ingestion:** Never induce vomiting on an unconscious person. Also, never induce vomiting when acids, alkalis, or petroleum products are suspected. Contact the poison control center.

**Equipment Failure:** In the event that air monitoring equipment fails to operate, all personnel will exit the site immediately and notify the RHSM or designee for further instructions.



**Emergency Information:**

**Local Resources:**

*All area code*

Ambulance (Name): Emergency Phone 855-9597  
Hospital (Name): North Penn Hospital Phone 368-2100  
Police (Local or State): Montgomeryville Phone 362-2300  
Fire Department (Name & Volunteer?): Lansdale Phone 855-5811  
Radio Channel \_\_\_\_\_  
Nearest Phone: on site (215) 855-1000

**Office Resources:**

Region III FIT Office..... (215) 687-9510  
EPA RPO Kenneth R. Kryszczun..... (215) 597-3535  
Office Manager - Donna Wallace (home)..... (215) 368-7939  
Operations Manager - Garth Glenn (home)..... (215) 947-5806  
Safety - Marcia Case (home)..... (215) 593-6894  
Safety - Elizabeth Holt (home)..... (215) 459-8522  
Zone, Tom Centi (office)..... (703) 522-8802

**Emergency Contacts: (Medical and Health)**

- o NUS Consulting Physician - University of Pittsburgh

Office..... (412) 648-3240

Please follow procedures as outlined on the following page.

- o Elmer Burd (NUS Zone Health and Safety Manager)

Office..... (412) 788-1080

Home..... (412) 335-0205

- o Regional Health Maintenance Program  
Thomas Jefferson Hospital

Cassie..... (215) 928-6918

**Lifestyles**

Lorna Summers..... (215) 436-8249

- o Poison Information Center..... (215) 922-5523

- o National Response Center..... (800) 424-8802  
(FOR ENVIRONMENTAL EMERGENCY ONLY)

Directions to Hospital (Attach Map): Follow Enterprise Rd to Stump Rd. Go left  
on Stump Rd. to intersection with Rte 309. Turn Right. Follow Rte 309  
North to 5 pt. intersection. Bear left onto Rte 463 (Cow Path Rd.)  
At second light, bear left onto Line St. Hospital is on right.



# University of Pittsburgh

SCHOOL OF MEDICINE  
Department of Medicine  
Program in Occupational Medicine

F3-8903-66  
Solid State Scientific  
215

## Emergency Physician Access Plan

NUS Corporation, Superfund Division

December, 1986

### A. MONDAY THROUGH FRIDAY, 9:00 A.M. - 5:00 P.M.

Dial the (412) 648-3240 number. When answered state that:

- (1) you are calling from NUS Corporation;
- (2) this is an emergency call.

Program Staff will be alerted how to contact the physician designated to provide emergency coverage on that day. Collect calls will be accepted.

### B. EVENINGS, WEEK-ENDS & HOLIDAYS:

Dial the (412) 648-3240 number. An operator from the answering service will answer the telephone. Do the following:

- (1) tell the operator that you are calling from NUS Corporation
- (2) tell the operator that this is an emergency call
- (3) give her your name
- (4) give her the telephone number where the physician is to call. Be certain that she has written the correct number (area code and seven digits)
- (5) if you do not receive a call back within 15 minutes, place a second call to (412) 648-3240

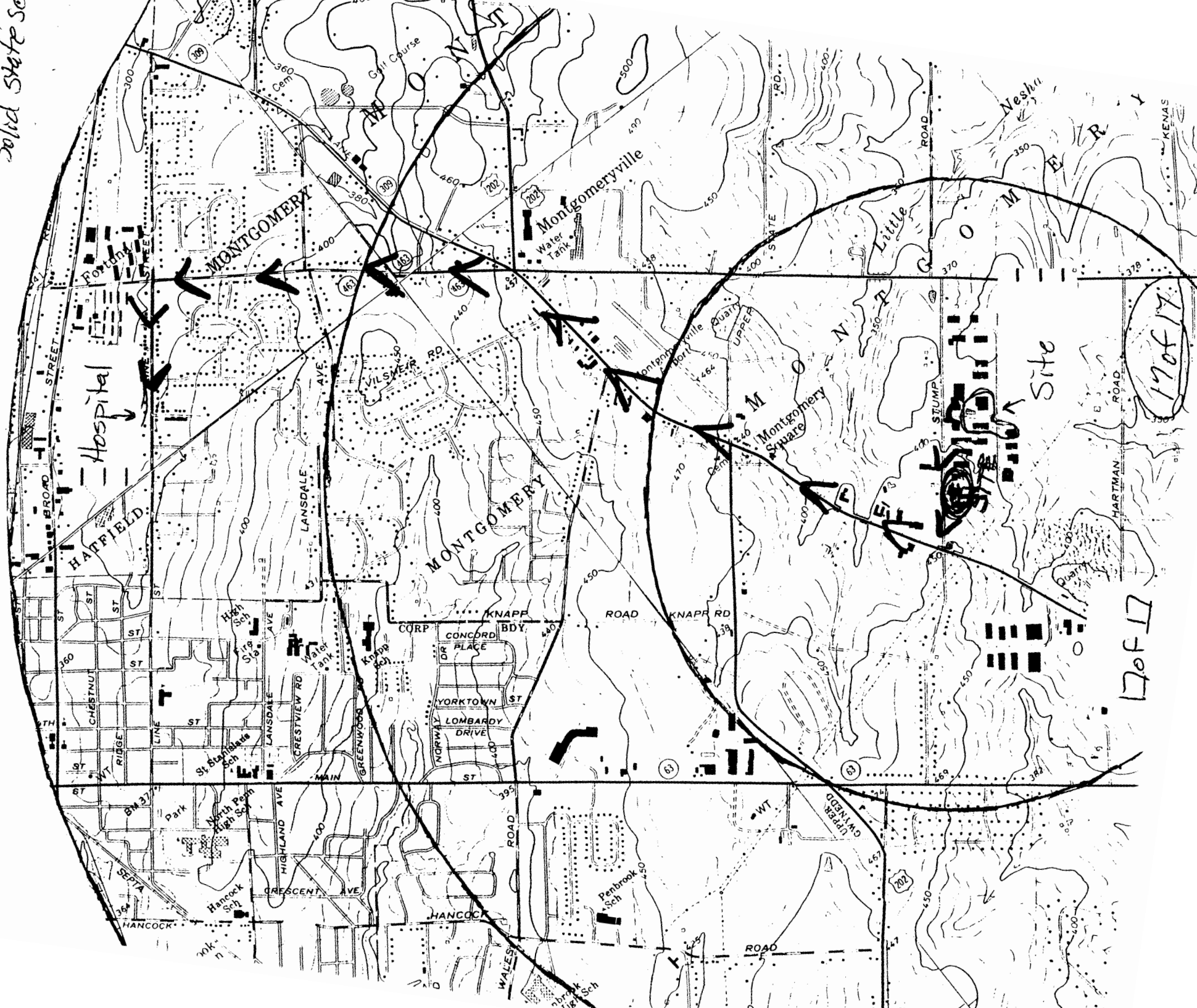
Collect calls will be accepted.

### C. SITUATIONS WHERE EMPLOYEE REQUIRES IMMEDIATE TRANSPORT TO A HOSPITAL:

If the situation is life-threatening, i.e., cardiac arrest or person not breathing, call the emergency medical services system and transport the person to the nearest hospital with advanced life support capabilities.

After obtaining assistance as stated above, call the (412) 648-3240 number and follow the procedures in A or B as appropriate.

F3-8903-46  
Solid State Soc





999 WEST VALLEY ROAD  
WAYNE, PENNSYLVANIA 19087  
215-687-9510

April 26, 1989  
C-585-4-9-50  
68-01-7346

Mr. Charles Williams  
EMCA, Division of Rohm and Haas  
160 Commerce Drive  
Montgomeryville, Pennsylvania 18936

Subject: Request for Site Access  
Solid State Scientific  
TDD No. F3-8903-66  
Montgomeryville, Montgomery County, Pennsylvania

Dear Mr. Williams:

This letter is in response to your discussion with Lisa Lillis, of this office, on April 25, 1989. NUS Corporation is under Contract No. 68-01-7346 to provide technical and management services to the United States Environmental Protection Agency (EPA). We have received a work assignment to perform a site investigation as outlined below.

Please consider this a formal request for obtaining site access for the week of May 8, 1989 to the Solid State Scientific/EMCA site in Montgomeryville, Pennsylvania. The purpose of this request is to conduct a preliminary assessment of the property in order to assess the need for further action by EPA. Work to be performed at the property consists of walking the area, observing the on-going procedures, and obtaining background information regarding waste-handling practices.

The statutory basis for this inspection is contained in the attached Letter of Introduction, provided by EPA for the project team leader, Lisa Lillis. If there are any questions, please do not hesitate to contact Ms. Lillis, Charles Meyer, or Thomas Fromm. Also, please find attached a copy of EPA's correspondence pertaining to solid waste management units.

Respectfully,

*Thomas W. Fromm*

for Garth Glenn  
Regional Operations Manager,  
FIT 3

GG/nmd

Attachment



999 WEST VALLEY ROAD  
WAYNE, PENNSYLVANIA 19087  
215-687-9510

April 26, 1989  
C-585-4-9-51  
68-01-7346

Mr. Glenn Baker, Horsham Valley Development Corporation  
C/O Lotz Realty, Incorporated  
Suite 122  
200 Gibraltar Road  
Horsham, Pennsylvania 19044

Subject: Request for Site Access  
Solid State Scientific  
TDD No. F3-8903-66  
Montgomeryville, Montgomery County, Pennsylvania

Dear Mr. Baker:

This letter is in response to your discussion with Lisa Lillis, of this office, on April 25, 1989. NUS Corporation is under Contract No. 68-01-7346 to provide technical and management services to the United States Environmental Protection Agency (EPA). We have received a work assignment to perform a site investigation as outlined below.

Please consider this a formal request for obtaining site access for the week of May 8, 1989 to the Solid State Scientific/EMCA site in Montgomeryville, Pennsylvania. The purpose of this request is to conduct a preliminary assessment of the property in order to assess the need for further action by EPA. Work to be performed at the property consists of walking the area, observing the on-going procedures, and obtaining background information regarding waste-handling practices.

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Respectfully,

*Thomas W. Fromm*  
for Garth Glenn  
Regional Operations Manager,  
FIT 3

GG/nmd

Attachment

## NUS CORPORATION AND SUBSIDIARIES

ORIGINAL  
(Red)

TELECON NOTE

CONTROL NO:

8903-66-09

DATE:

4-14, 4-17/89

TIME:

1415, 1400, 1415  
4/14, 4/17

DISTRIBUTION:

Solid State

BETWEEN:

Charlie Williams

OF:

EMCA

PHONE:

(215) 855-1000

AND:

Lisa Lillis

DISCUSSION:

Re: Site access/info

4/14 1415: Left message to call me as per suggestion by Glenn Baker. Lisa Lillis 4/14/89

4/17 1400: Not in. Lisa Lillis 4/17/89

1415: EMCA is a small qty generator. Occasional accumulation of solvent + one drum of outdated product.

Thick film paste. manufacturer. Sm. quantities

50g to 1kg per client. All products are paste. Nonflammable organic solvents mixed. Not RCRA regulated so to say (not TSD) No SWMU letter received or completed.

Lisa Lillis  
4/17/89

ACTION ITEMS:

8903-66-09c

## NUS CORPORATION AND SUBSIDIARIES

TELECON NOTE

CONTROL NO:

8903-66

DATE:

4/28/89

TIME:

1605

DISTRIBUTION:

Solid State

BETWEEN:

Charlie Williams

OF:

EMCA

PHONE:

(215) 855-1000

AND:

Lisa Lillis

DISCUSSION:

Re: Site access

Set access for Tuesday 5/9 at 0900. Told him just awaiting Baker's OK. Glenn will be present. Charlie said he received letter.

Lisa Lillis  
4/28

ACTION ITEMS:

8903-66-10

## NUS CORPORATION AND SUBSIDIARIES

ORIGINAL  
(Red)

TELECON NOTE

CONTROL NO:

8903-66-10

DATE:

4/7/89

TIME:

1340, 1425, 1510

DISTRIBUTION:

Solid State Scientific

BETWEEN:

Josephine Hestand - Env. Eng.

OF: Sprague Electric -

Solid State Scientific

PHONE:

(215) 657-8400

AND:

Lisa ~~Kitt~~ Lillis

DISCUSSION:

Re: Site ownership (Current)

1340:

Solid State in Montgomeryville was sold. Not sure who owns it now. No contact at Willow Grove would know.

If want info from Josie - must put together letter asking what we need and our authority. Cannot release history of site w/o this letter. *Josie Lillis*  
4/7/89

1425: Call her later - on other line. *Josie Lillis* 4/7/89

1510: Left message stating as of now I'll need nothing from her, will file into available. I'll contact her later if I do need info. Call me with any questions.

*Josie Lillis*  
4/7/89

ACTION ITEMS:



8903-66-11

## NUS CORPORATION AND SUBSIDIARIES

ORIGINAL  
COPY

TELECON NOTE

CONTROL NO:

880 4/13 8903-66-11

DATE:

4-13-89

TIME:

1040

1410

DISTRIBUTION:

Solid State Scientific

BETWEEN:

Kim - Horsham Valley Develop. Corp.

OF:

Lotz Realty

PHONE:

(215) 674-5456

AND:

Lisa Lillis

DISCUSSION:

Re: Site ownership

1040 : Kim is not in - call back this afternoon Lisa Lillis 4/13/89

1410: Property is owned by HUDC. Lease to current tenant → EMCA, a division of Rohm & Haas. Not sure what they do there. Knows of a 1987 soil removal at the property due to Solid State.

I explained purpose of my investigation and need to receive access by current owner, although concerned w/ Solid State's operation.

Kim needs to ask supervisor about access and if I may contact leaser.

Lisa A. Lillis  
4.13.89

ACTION ITEMS:

**NUS CORPORATION AND SUBSIDIARIES**

8903-66-12

TELECON NOTE

CONTROL NO:

8903-66-12

DATE:

5-1-89

TIME:

1530

DISTRIBUTION:

Solid State

BETWEEN:

Claire Patchell - Legal Dept.

OF:

Rohm + Haas

PHONE:

1-7

AND:

Lisa Lillis

DISCUSSION:

Re: Wording of access letter.

Claire was faxed copy of access letter from Charlie. Not a greater than 90 day storage. Generator only. No permit. We (WOS) have no jurisdiction at EMCA. Can we send a more properly worded letter? (Access is still on.) I told her to call Jim Harper at EPA w/ questions re: why we are doing this site.

Lisa Lillis

5/1/89

ACTION ITEMS:

Call Harper to learn of call.

8903-66-13

## NUS CORPORATION AND SUBSIDIARIES

CONFIDENTIAL  
(Red)

TELECON NOTE

CONTROL NO: 8903-66-13	DATE: 5/8/89	TIME: 1000 1305
DISTRIBUTION:  Solid State		
BETWEEN: Carol Gorgley	OF: PADER-Norristown	PHONE: (215) 270-1948
AND: Lisa Lillis		
DISCUSSION: Re: State contact		
1000: Left message re: inspection for tomorrow Lisa Lillis 5/8		
1305: Told Carol aP EPI PA @ EMCA / Solid State for tomorrow at 9 am. She said she did not think she could make it. Lisa Lillis 5/8/89		
ACTION ITEMS:		